Name Class

Teacher Date

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| *You are hosting a family dinner but are not sure who is coming yet. To make matters even more complicated, not everyone coming eats the same amount of mashed potatoes. Complete the ratio tables so we know how many potatoes you will need to cook for the mashed potatoes for the possible guests. When finished completing the tables, answer the questions based on the information in the ratio tables. Be sure to explain your answers, describe the process you went through to get your answers, and use complete sentences.* |

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| Math Rubric | | | | | |
| Mathematical Operations | 4 | 3 | 2 | 1 | 0 |
| Mathematical Errors | 4 | 3 | 2 | 1 | 0 |
| Mathematical Explanation | 4 | 3 | 2 | 1 | 0 |
| Mathematical Process | 4 | 3 | 2 | 1 | 0 |
| Total Score | | | | | |

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| |  |  | | --- | --- | | Potatoes | Children | | 1 | 1 | |  | 6 | |  | 8 | |  | 9 | | |  |  | | --- | --- | | Potatoes | Adults | | 2 | 1 | |  | 5 | |  | 7 | |  | 11 | | |  |  | | --- | --- | | Potatoes | Teenagers | | 3 | 1 | |  | 5 | |  | 7 | |

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If only 5 adults come to the dinner, how many potatoes will be needed?

Use words to explain the ratio of potatoes to the number of adults. What does it mean?

How many potatoes would you need for 5 teenagers and 7 adults?

Who would need more potatoes, 9 children or 7 teenagers?

How many potatoes would you need to prepare if the following people came to dinner: 11 adults, 1 teenager, and 8 children?

How would you describe the ratio of potatoes to adults compared to the ratio of potatoes to children?

How many potatoes would you need to prepare if the following people came to dinner: 7 adults, 7 teenagers, and 9 children?